

In re Patent Application of:

TOWNSEND ET AL.

Serial No. 10/538,019

Filed: June 7, 2005

In the Claims:

Claims 1-10 (Cancelled).

11. (Currently Amended) A method of automated pallet repair, comprising the steps of:

using a scanning device to create a map of a pallet;
creating a recipe of repair operations from the map;

and

gripping the a pallet and transporting the gripped pallet to one or more repair stations in accordance with the recipe.

12. (Currently Amended) The method of claim 11, ~~wherein:~~ wherein the scanning device generates ~~comprises~~ a laser beam which is projected onto the ~~pallet~~ pallet; and wherein the map comprises a providing three-dimensional data map used for detecting gaps and protrusions in the pallet; the ~~three three-~~ dimensional data map being filtered into a two dimensional image of on/off values by using a dynamically created height value, corresponding to a reference plane or set threshold offset above a the bearer or connector board surface of the pallet.

13. (Currently Amended) The method of claim 12, ~~wherein:~~ further comprising filtering the three three-dimensional data map with a is be filtered Sobel or Gaussian filter ~~filters~~ to provide locations of the gaps and protrusions, ~~cracks and other deviations~~ in the pallet element ~~surfaces~~.

In re Patent Application of:

TOWNSEND ET AL.

Serial No. 10/538,019

Filed: June 7, 2005

Claims 14-16 (Cancelled).